

Chapter 2

Using the Smartwizard Discovery Utility

This section leads you through the steps necessary to begin managing your GS748T Smart Switch. It covers how to install in a network that contains a DHCP server and one without DHCP.

Network with DHCP server

To install the switch in a network with a DHCP server, proceed as follows:

1. Connect the GS748T switch to a DHCP network.
2. Power on the switch by connecting its power cord.
3. Install the Smartwizard Discovery Utility program on your computer.
4. Start the Smartwizard Discovery utility.
5. Click **Discover** for the Smartwizard Discovery to find your GS748T Smart Switch. You should see a screen similar to that shown below.

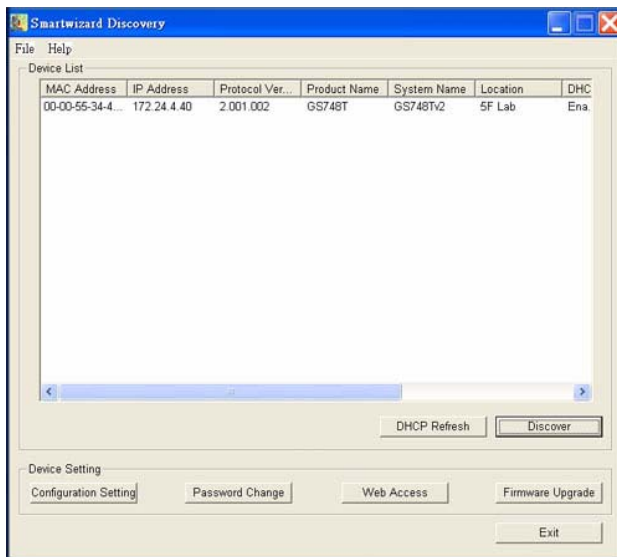


Figure 2-1

6. Make a note of the displayed IP address assigned by the DHCP server. You will need this value to access the switch directly from a web browser (without using Smartwizard Discovery).
7. Select your switch by clicking on the line that displays the switch address. Then click **Web Access**. The discovery utility displays a login window similar to the following:

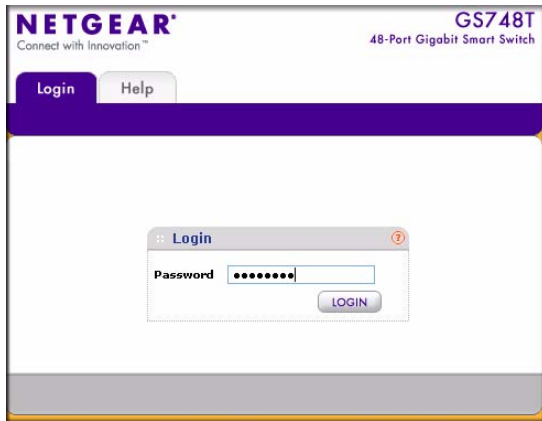


Figure 2-2

8. Enter the default password which is **password**. Then, use your web browser to manage your switch.

Network without DHCP Server

This section describes how to set up your switch in a network without a DHCP server, and is divided into the following tasks:

- Manually assigning network parameters for your switch.
- Configuring the Network Interface Card (NIC) settings on the host PC.
- Logging into the web-based switch management utility.

Manually Assigning Network Parameters

If your network has no DHCP service, you must assign a static IP address to your switch. If you choose, you can assign a static IP address to the switch even if your network has DHCP service.

To manually assign a static IP address to your switch:

1. Connect the GS748T Smart Switch to your existing network.
2. Power on the switch by plugging in the power cord (Default IP is 192.168.0.239).
3. Install the Smartwizard Discovery Utility program on your computer
4. Start the Smartwizard Discovery utility.
5. Click **Discover** for the Smartwizard Discovery Utility to find your GS748T Smart Switch. You should see a screen similar to that shown in [Figure 2-1 on page 2-1](#).
6. Click on **Configuration Setting**. A screen similar to that shown below appears.

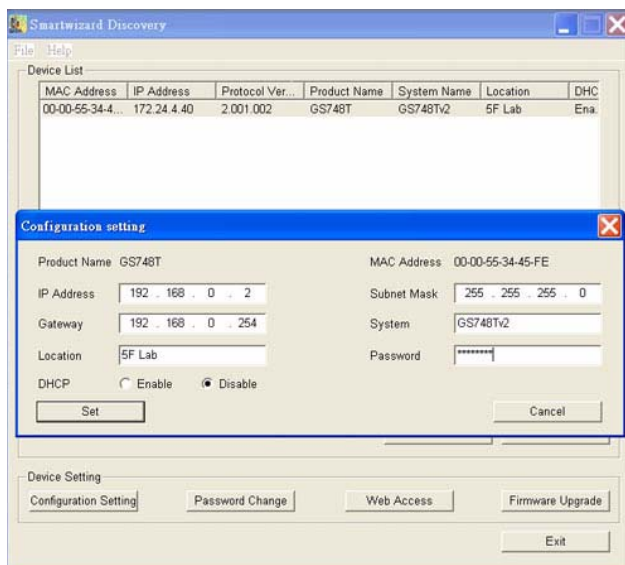


Figure 2-3

7. Choose the **Disable** radio button for DHCP.
8. Enter your chosen switch IP address, gateway IP address and subnet mask, and then type your password and click **Set**. Please ensure that your PC and the GS748T Smart Switch are in the same subnet. Make a note of these settings for later use.

Configuring Your NIC Settings

The settings of your NIC on the host that accesses the GS748T Smart Switch, under MS Windows OS, are made with entries into the Windows screens shown below. For comparison, the settings of the switch are also shown although they do not appear in the Windows view.

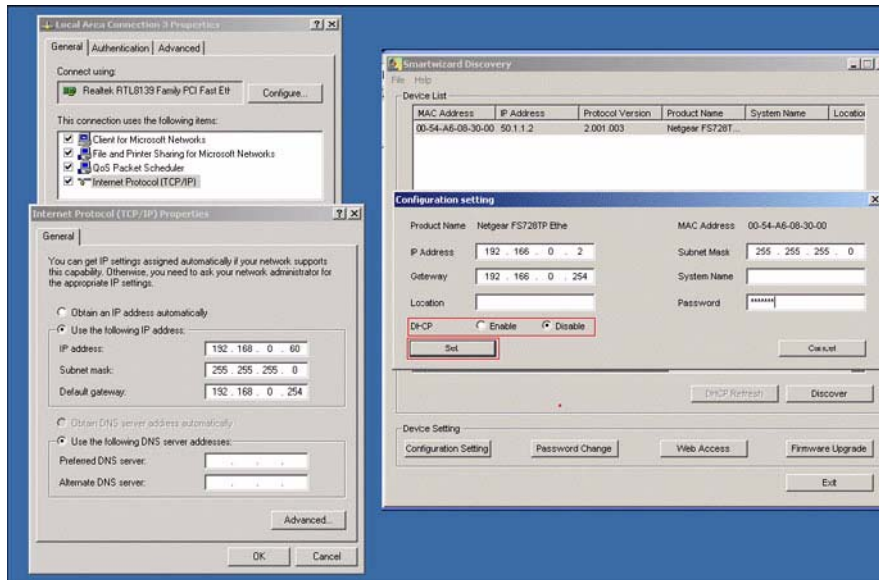


Figure 2-4

To modify your NIC settings (you need Windows Administrator privilege to change these settings):

1. On your PC, access the MS Windows operating system TCP/IP Properties page as shown. In MS Windows XP this is found in **Control Panel > Network Connections > Local Area Connection > General: Properties**.
2. Select Internet Protocol (TCP/IP) and click on **Properties**.
3. Set the appropriate IP address and subnet mask. The subnet mask value should be identical to that set in the switch. The PC IP address must be different from that of the switch but lie in the same subnet.
4. Click **Web Access**. The Login screen will display.
5. Enter the default password **password**. Then, click **Login** to proceed to management of the switch covered in [Chapter 3, “Basic Web Management”](#).

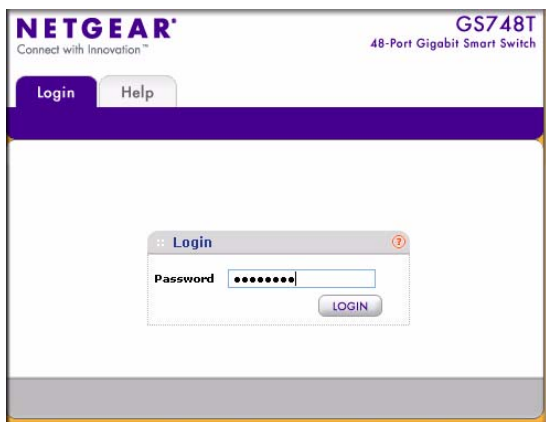


Figure 2-5

Smartwizard Utilities

Alternatively, from the Smartwizard main page of [Figure 2-1](#) you can access the following features:

- Password Change
- Firmware Upgrade

Password Change

You can set a new password of up to 20 ASCII characters.

1. On the Smartwizard Utility screen, click **Password Change**. The Password Change screen appears. You can set a new password. In this process, you are required to enter the old password and to confirm the new one.
2. Click **Set** to enable the new password.

Firmware Upgrade

The application software for the GS748T switch is upgradeable, enabling your switch to take advantage of improvements and additional features as they become available. The upgrade procedure and the required equipment are described as follows. This procedure assumes that you

have downloaded or otherwise obtained the firmware upgrade and that you have it available as a binary file on your computer. This procedure uses the TFTP protocol to implement the transfer from computer to switch.

To upgrade your firmware:

1. After selecting the switch you want to upgrade, click **Firmware Upgrade** (see [Figure 2-1](#)). The following screen will display:

Product Name	IP Address	Protocol Version
GS748T	172.24.4.40	2.001.002

Upgrade Configuration

Product Name:

Product IP Address:

Product Assigned Firmware:

Upgrade Password:

Upgrade State

Figure 2-6

2. Enter the following values into the appropriate places in the form
 - **Product Assigned Firmware:** The location of the new firmware file. You can click **Browse** to locate the file. For example:
`tftp://{tftp address}/{file name}`
 - **Upgrade Password:** Enter your password; the default password is **password**. Click **Apply**.
3. Click **Start Upgrade** to begin loading the upgrade. The system software is automatically loaded to all stacking members. When the process is complete, the switch automatically reboots.

Exit

Click **Exit** from the Switch Setting section to close the Smartwizard Discovery Utility program.

